

ABSTRACT

A pigment dispersion liquid comprises pigment particles dispersed in a dispersion medium, the difference ($D_{90} - D_{10}$) between D_{90} and D_{10} being not more than 25 nm, wherein D_{90} and D_{10} represent the primary particle size that the pigment particles having a primary particle size up to and including D_{90} account for 90% by number of the total pigment particles, and the particle size that the pigment particles having a primary particle size up to and including D_{10} account for 10% by number of the total pigment particles, respectively, in the integral of the primary particle size distribution function $dG = f(D)dD$ of the pigment particles in which G is a particle number (%) and D is a primary particle size (nm).